

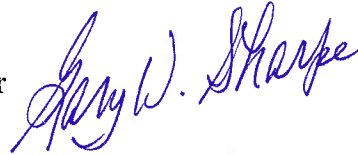
## DESIGN MEMORANDUM NO. 13-04

TO: Chief District Engineers  
Design Engineers  
Active Consultants

FROM: Gary W. Sharpe, P.E., Director  
Division of Highway Design

DATE: July 29, 2004

SUBJECT: Survey Guidance



The Highway Design Manual is currently undergoing an intensive rewrite. As the initial draft of each chapter is completed, it will be released as a Design Memorandum. This will implement the policy presented therein.

This specific Design Memorandum deals with guidance on survey control. A copy of the Survey Guidance can be obtained from the Division of Highway Design's Web page at <http://www.kytc.state.ky.us/design/designmanual/>.

The Survey Guidance contains information on the survey control, photogrammetry, data collection, property entry, right-of-way monumentation, and other survey activities.

It should be noted that this Survey Guidance presents a change in our survey methodology from traditional route surveying techniques to planimetric topographic data collection methods. All aspects of the design and construction phases can be staked from traverse control. The centerline is not necessarily the controlling feature for survey purposes. Although State Plane coordinates and digital terrain models are utilized in the design process, centerlines can be a means of location utilizing station and offset. For current information and additional references on survey related items, see the Division of Highway Design Survey Coordination Web Page.

The schedule for implementation is as follows. Effective with this memorandum, the Survey Guidance should be utilized for all new projects or for existing projects that have not advanced beyond the Preliminary Line and Grade stage. Plans, Design Executive Summaries, Plan Submittals, etc., should reflect the new policy.

Projects that have advanced beyond Preliminary Line and Grade, but will be let to contract prior to July 1, 2005, may use the criteria and features from the previous Highway Design Manual. However, it is allowable to use any of the policy written in the Survey Guidance of the upcoming Highway Design Manual for these type projects if necessary or desired by the Project Manager/Project Team.

Projects let to contract after July 1, 2005, must comply with this Survey Guidance unless otherwise approved by the Director of Highway Design.

Any questions regarding the implementation of this memorandum should be directed to this office.

GWS:JDJ:JAD